



Model: 10N

The Model 10N Needle Valves have been designed to give higher strength and integrity to instrument needle valves. Budenberg have incorporated a dynamic multi-ring gland system in the needle valve, which when combined with the anti blow-out back seating stem, guarantees resistance to all operating processes and pressures.

Low operating torques and high cycle life feature strongly in this unique Budenberg design, giving a "Low Cost of Ownership".

Key Benefits are:

100% gas tight seal under all conditions.

- Gland and stem leakage is a thing of the past due to the dynamic multi-ring gland system, combined with the anti blow-out back seating system
- Swaged self centering non-rotating stem tip in one material grade harder than the parent body material. This ensures a positive seat closure under all conditions.

Needle Valve Construction

Body Material

316 Stainless Steel to NACE as standard, other materials available

Standard Connection Sizes

1/2" NPT Female x Female

1/2" NPT Male x Female

Other thread sizes and types are available, please contact our sales office for details.

Standard Bore Sizes

Nominally 4mm to 6mm depending on connection size

Stem Packing

Multi stage 'dynamic' stem packing in PTFE / RPTFE to guarantee a gas tight seal under all conditions. Maximum Temperature of 240° C for PTFE packed units and 540° C for units packed with flexible graphite.

Certification Available

BS EN 10204 3.1b & 3.2 Material Certification

PMI and NDT Test Certification

Full range of certification and testing to suit the user requirements.

Guaranteed 2 times factor of safety

NEEDLE VALVE - PROCESS INDUSTRY



Needle Valve Features

Self centring, non rotating stem point

Vibration proof handle with positive location and excess torque break feature

Fire-safe designed to comply to BS6755 Pt2 & API-10497, API-607

Anti static, anti blow-out stem

Multi-stage 'dynamic' stem packing True 'metal to metal'

Body / Bonnet joint

Mechanically locked Valve Bonnet to prevent accidental removal

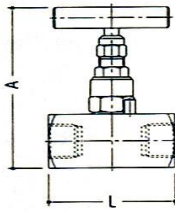
Max cold working pressure of 10,000 psi (10N)

All options available, full range of materials, thread types and sizes

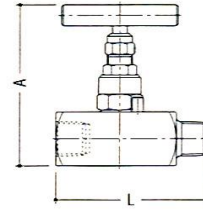
Your Company name and model type etched on Valve body

Vented models available

Single Isolating Valves



**6 NF or 10NF
Female x Female**



**6 NM or 10NM
Male x Female**

| Single Isolating Valve | | | | |
|------------------------|---------------------------|------|------|--------|
| Model No | 1/2" Male x 1/2" Female | L | A | Weight |
| 10N8M8FS | | 92mm | 90mm | 0.65kg |
| 10N8F8FS | 1/2" Female x 1/2" Female | 66mm | 90mm | 0.65kg |

Options

For 6,000psi rating option, please replace the first "10" in the above model codes with "6"

Specifications and dimenions in this leaflet, are subject to change without prior notice.



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